

INFORMATION  
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ROCKY FLATS ENVIRONMENTAL	Manual No	RFP/ERM-94-00019
TECHNOLOGY SITE	Section No	Table of Contents, R1
HEALTH AND SAFETY PLAN	Page	1 of 1
ACCIDENT PREVENTION SAFETY	Effective Date	1/12/95
PROGRAM PLAN INT OPER. UNITS	Organization.	Environmental Restoration Mgmt

**TABLE OF CONTENTS  
HEALTH AND SAFETY PLAN  
ACCIDENT PREVENTION SAFETY PROGRAM PLAN  
INTEGRATED OPERABLE UNITS**

<u>Section No.</u>	<u>Title</u>	<u>Rev No.</u>	<u>Effective Date</u>
	Detailed Table of Contents	0	11/04/94
•95-DMR-ERM-0004	Personnel and Site Condition Changes to OU9 Affects sections 2,5,6,7,8,9,10,APPC	0	1/12/95
1 0	Introduction	0	11/04/94
2 0	Health and Safety Personnel	0	11/04/94
3 0	Facility Characteristics	0	11/04/94
4 0	General Health and Safety Requirements	0	11/04/94
5 0	Hazard Evaluation	0	11/04/94
6 0	Personnel and Air Monitoring	0	11/04/94
7 0	Work Zone	0	11/04/94
8 0	Personal Protective Equipment	0	11/04/94
9 0	Decontamination Procedures	0	11/04/94
10 0	Emergency Response Plan	0	11/04/94
11 0	Logs, Reports, and Record Keeping	0	11/04/94
12 0	References	0	11/04/94
APPA	Appendix A Personal Protective Equipment and Monitoring Requirements	0	11/04/94
APPB	Appendix B Jacobs' Medical Surveillance Procedures	0	11/04/94
APPC	Appendix C Jacobs Engineering Group Standard Operating Procedures	0	11/04/94

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DOCUMENT CLASSIFICATION  
PER R B HOFFMAN, CLASSIFICATION OFF  
JUNE 11 1995

A-0009-000166

# INFORMATION DOCUMENT MODIFICATION REQUEST (DMR)

95-AMR-

Page 1 of 3

Refer to 1-A01-PL-001 Processing Instructions  
Print or Type All Information (Except Signatures)

1 Date 12/9/94	25 DMR No <del>94-DMR</del> <i>ERM-0004</i> <i>Am: 1/1/95</i>
3 New Document Number or Document Number if it is to be changed with this Revision N/A	
5 Document Title Integrated Operable Units Health & Safety Plan	

Existing Document Number/Revision  
RFP/ERM-94-00019

4 Originator's Name/Phone/Page/Location  
*Bruce D. Peterman 9659/5472/080*

6 Document Type ☐ Procedure  
☒ Other *H&S Plan*

7 Document Modification Type (Check only one)  
☐ New ☐ Revision ☐ Intent Change ☒ Nonintent Change ☐ Editorial Correction ☐ Cancellation

8 Item	9 Page	10 Step	11 Proposed Modifications
1	2-2	F2-1	Change names as shown on revised F2-1 OU9 Project Manager is John Zimmerman, Field Team Leader is Simon Bell, H&S Coordinator is Lisa Nelower OU14 Project Manager is Bill Fieselman, HSS's are David Spruce, Tom Waddel
2	Sec 6 p 4	6 3	Delete 1st two sentences of Personal Sampling paragraph Modify third sentence to read as follows "Personal sampling will be conducted only when Level C action Levels are reached with direct reading instruments or when otherwise noted in Appendix A "
3	Sec 6 p 7	6 4 4	Insert new first sentence "Personal sampling will only be performed when directed to by EG&G Radiological Engineering "
4	Sec 6 p 8	6 4 6	Insert new first sentence "Ambient air sampling for airborne alpha radioactivity will only be performed when directed to by EG&G Radiological Engineering or if action levels for dust are exceeded in an RCA
5	Sec 5 p 42	5 5 9 1	Delete the word "strenuous" from the first sentence of "Heat Stress Monitoring and Work Cycle management "  Delete "even if workers are not wearing impervious clothing "  Delete "and body water loss from 2nd paragraph under "Heat Stress Monitoring "  Change "oral temperature" to "oral or ear canal temperature "
6	Sec 6 p 3	6 3	Delete paragraph 6, " The fact that contaminants are listed "

12 Justification (Reason for Modification EJO# TP# etc )  
Incorporating changes to improve compliance with 29CFR1910 120 and reflect current personnel and site conditions

If modification is for a new procedure or a revision list concurring disciplines in Block 13 and enter N/A in Blocks 14 and 15 If modification is for any type of change or a cancellation organizations are listed in Block 13 then Concuror prints and signs in Block 14 and dates in Block 15

13 Organization	14 Print and Sign (if applicable)	15 Date (if applicable)
EOM	K D Anderson <i>[Signature]</i>	12/22/94
RE	D Hyder <i>[Signature]</i>	12/22/94
IH	M D Schreckengast <i>[Signature]</i>	1/2/95
IA OU	B D Peterman <i>[Signature]</i>	12/20/94
QA	R S. LUKER <i>[Signature]</i>	1/8/95

16 Originator's Supervisor (print sign date)  
Bruce D. Peterman *[Signature]* 12/22/94

17 Assigned SME/Phone/Page/Location  
Craig Cowdery/6953/5466/080 *[Signature]*

18 Cost Center  
3113

19 Charge Number  
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20 Requested Completion Date  
1/1/95

21 Effective Date  
1/12/95

22 Accelerated Review?  
Yes ☐ No ☒

23 ORC Review  
*[Signature]*

4 Responsible Manager (print sign date)  
Craig Cowdery *[Signature]* 12/22/94

*Received for Hist. at 3:40 1/9/95*

REVIEWED FOR CLASSIFICATION/UCNI  
BY NA  
DATE NA

Refer to 1-A01-PPG-001 for Processing Instructions  
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2 or 3 Document Number/Revision RFP/ERM 94-00019			3 Document Title Integrated Operable Units Health & Safety Plan
8 Item	9 Page	10 Step	11 Proposed Modifications
7	Sec 9 p 2	9 1 1	Change "dispose of glove" to "dispose of outer gloves"  Add bullet after "Remove respirator bullet" to read "Remove and dispose of inner gloves "
8	Sec 8 p 2	8 1 1	Change first paragraph to read "For activities to be conducted under this plan personnel will wear Level D as defined in Section 8 1 3 "  Delete paragraphs 2 and 3
9	Sec 8 p 5	8 1 3	Add bullet after dosimeter badge bullet to read "nitrile gloves if hand contact with potentially contaminated materials is likely "
10	Sec 5 p 14	5 2 2	Integrate new chemicals as shown into Section 5 2 2 alphabetically
11	Sec 5 p 2	5 2 Table 5-1	Integrate new chemicals as shown into Table 5-1 chemical Exposure Hazard Summary alphabetically
12	Sec 5 p 38	5 5 3	Change "Utility clearance will be completed before work begins " to "Utility clearance will be completed by the client before work begins "
13	Sec 5 p 38	5 5 3	Change (SOP 7 7) to read SOP 7 7a
14	Sec 5 p 38	5 5 3	Delete "which uses hand-augering to confirm the absence of buried utilities," Change the last sentence to read "A copy of Jacobs' SOP 7 7a is provided in Appendix C
15	Appendix C	SOP 7 7	Delete SOP 7 7, add new SOP 7 7a Utility Clearance at Rocky Flats Plan (7 pages)
16	Sec 7 p 4	7 1 5	The fourth bullet will read as follows "All visitors will receive a site specific safety briefing, and will be escorted at all times Visitors in areas requiring Level A B or C PPE must have the equivalent training and PPE as the onsite worker to gain entry "
17	Sec 7 p 4	7 1 5	Add bullet after above statement that reads, "Visitors in areas requiring Level D PPE must have Level D PPE, receive a site specific safety briefing, and will be escorted at all times
18	Sec 7 p 4	7 1 5	Add paragraph/sentence after "All site visitor access must be clearly documented " bullet to read "If visitor does not supply current documentation but insists that he/she enters area the following actions are to be taken "
19	Sec 7 p 4	7 1 5	Add bullet after above new statement to read, "On site HSS or HSST will shut down activities, secure area by monitoring with instrumentation, and contact HSO/HSS or Site Manager
20	Sec 7 pg 5	7 2	Is first sentence delete "heavy equipment or"
21	Sec 6 p 4	6 3	Add new text to end of <u>Action Levels</u> paragraph <u>When</u> action levels are reached which, according to Appendix A require "evacuation and reevaluation," site workers must move to an area where direct reading instrumentation shows airborne concentrations are below the action levels of concern The HSS/HSST must contact the Health & Safety Coordinator to determine further action

Refer to 1-A01-PPG-001 for Processing Instructions  
 Print or Type All Information (Except Signatures)

25 *95-DMR-ERM-0004*  
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or 3 Document Number/Revision  
 RFP/ERM 94-00019

3 Document Title  
 Integrated Operable Units Health & Safety Plan

8 Item	9 Page	10 Step	11 Proposed Modifications
22	Sec 6 p 2	6 3	Add to end of 1st paragraph "All monitoring will be in the breathing zone unless otherwise specified in Appendix A "
23	Sec 10 p 2	10 2 1	Add EG&G Operations Manager Representative Change "Kent Mahana to "Lisa Nelowet "
24	Sec 10 p 3	10 2 1	Add EG&G Operations Manager Representative
25	Sec 10 p 8	10 3 1	Add Operations Manager Representative, as listed in Tables 10-1, 10-2 must be notified of any unplanned releases
26	Sec 10 p 9	10 3 2	Change "Kent Mahana" to "Lisa Nelowet"
27	Sec 5 p 5-31	T5-4	Modify as shown
28	Sec 6 p 3	6 3	Replace "every 15 minutes" to "whenever site conditions change" in first paragraph
29		F7-1	Delete figure
30	Sec 7 p 5	7 2 1	Delete 1st sentence

12 Justification (Reason for Modification EJO# TP# etc )

**(Continued)**

	Page
10.4.4 First-Aid Register . . . . .	10-11
10.4.5 Vehicle Accident Reporting Procedure . . . . .	10-11
10.5 ROCKY FLATS PLANT REPORTING PROCEDURE . . . . .	10-11
11.0 LOGS, REPORTS, AND RECORD KEEPING . . . . .	11-1
11.1 HEALTH AND SAFETY LOGBOOK . . . . .	11-1
11.2 CALIBRATION LOGS . . . . .	11-1
12.0 REFERENCES . . . . .	12-1

Figure 2-1	Integrated OU Project Organization Chart Rocky Flats Plant . . . . .	2-2
Figure 3-1	Rocky Flats Plant - Location Map . . . . .	3-2
Figure 3-2	Rocky Flats Plant - General Map . . . . .	3-3
Figure 3-3	Rocky Flats Plant Building Location Map . . . . .	3-5
Figure 7-1	Typical Site Control Layout . . . . .	7-6

Table 3-1	Summary of Nonintrusive Activities by Integrated Operable Units and Individual Hazardous Substance Sites . . . . .	3-10
Table 5-1	Chemical Exposure Hazard Summary . . . . .	5-2
Table 5-2	Integrated Operable Unit Location and Hazard Summary by Individual Hazardous Substance Site . . . . .	5-4
Table 5-3	Radionuclides . . . . .	5-12
Table 5-4	Asphalt and Concrete Removal and Sampling . . . . .	5-31
Table 5-5	Polychlorinated Biphenyl Sampling . . . . .	5-32

## TABLE OF CONTENTS

(Continued)

	Page
Table 5-6 Polychlorinated Biphenyl Sampling . . . . .	5-33
Table 5-7 Soil-Gas Survey . . . . .	5-35
Table 5-8 Surface Water and Sediment Sampling . . . . .	5-36
Table 6-1 Survey Instrumentation . . . . .	6-6
Table 9-1 Radioactive Contamination Limits . . . . .	9-3
Table 10-1 Emergency Telephone Numbers - Fieldwork . . . . .	10-2
Table 10-2 Pager Numbers . . . . .	10-3

### List of Appendices

APPENDIX A Personal Protective Equipment and Monitoring Requirements

APPENDIX B Jacobs' Medical Surveillance Procedures

APPENDIX C Jacobs Engineering Group Standard Operating Procedures

### LIST OF EFFECTIVE PAGES

<u>Pages</u>	<u>Effective Pages</u>	<u>Change Number</u>
TOC viii	1/12/95	95-DMR-ERM-0004
Section 5 1-59	1/12/95	95-DMR-ERM-0004
Section 6: 2-4, 7-8	1/12/95	95-DMR-ERM-0004
Section 7: 4-5	1/12/95	95-DMR-ERM-0004
Section 8 2, 5	1/12/95	95-DMR-ERM-0004
Section 9 2	1/12/95	95-DMR-ERM-0004
Section 10 2-3, 8-9	1/12/95	95-DMR-ERM-0004
Appendix C SOP 77a	1/12/95	95-DMR-ERM-0004

### 7.1.5 Site Visitors

Access to the site by visitors not directly involved with routine integrated operations will be restricted as follows

- All site visitors must sign in at a site security station located at the site boundary
- All site visitors must be cleared at the site security station by the Site Manager or his/her designee before obtaining access to the Support Zone
- Site visitors entering the Exclusion Zone will be strictly limited. The Site Manager and HSO/HSS must approve entry, and the visitor must provide medical, training, and fit test documentation
- All visitors will receive a site-specific safety briefing and will be escorted at all times. Visitors in areas requiring Level A, B or C PPE must have the equivalent training and PPE as the onsite worker to enter
- Visitors in area requiring Level D PPE must have Level D PPE, receive a site specific safety briefing and be escorted at all time
- All site visitor access must be clearly documented, and visitors must comply with all provisions of the site HSP
- If visitor does not supply correct documentation but insists that he/she enters area, the following actions are to be taken on site: onsite HSS/HSST will shut down activities, secure area by monitoring instrumentation, and contact HSO/HSS or site manager

## 7.2 DESIGNATION OF WORK ZONES

95-DME-ERM-0004 Moving personnel and equipment between work zones and onsite and offsite will be limited to controlled access points. Therefore, contamination will be contained within certain relatively small areas on the sites, and the potential for translocation will be minimized. The following three contiguous zones will be used where significant contamination potential exists.

- Zone 1 Exclusion Zone,
- Zone 2 Contamination Reduction Zone, and
- Zone 3 Support Zone

It is anticipated that these zones will not be required for all activities. The HSS may authorize the use of single or no zones depending on activities. In making this decision, the following criteria will be reviewed: the hazards present, area's current use, postings, and location, and whether the activities will introduce or increase hazards.

For work areas where the potential exists for exposure to radiation and/or radioactive contamination, a radiologically controlled area will be established at the Contamination Reduction Zone/Support Zone boundary. The Contamination Reduction Zone also will serve as a radiological buffer area if airborne radioactivity or radiation contamination areas are established in the Exclusion Zone. Radiological areas inside the Exclusion Zone will be established and posted as specified in EMRG 1.3, Posting of Radiation Protection Requirements.

### 7.2.1 Exclusion Zone

The Exclusion Zone (Zone 1) is the innermost of three concentric areas and is the zone where contamination is known to or could occur. All personnel entering the Exclusion Zone will wear the prescribed level of protection for the specific site. An entry and exit checkpoint will be established at the perimeter of the Exclusion Zone to regulate the flow of personnel and equipment into and out of the zone and to verify that established entry and exit procedures are